

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	50	(("5019530" "5862939" "6140672" "5782375" "6098829" "4523811" "5722038" "5877977" "5912188" "4519851" "4599261" "5542300" "5830775" "5890501" "5942790" "5986208" "6180976" "4293396" "4414256" "4423401" "4610934" "4617724" "4812333" "4871108" "4921763" "4980123" "5232610" "5348357" "5359204" "5418389" "5449642" "5472678" "5493442" "5595288" "5744817" "5760462" "5763010" "5788757" "5883416" "5919515" "5955213" "6015986" "6027964" "6031653" "6079354" "6091599" "6197634" "4249968" "4289534" "4323719").pn,	US-PGPUB; USPAT	OR	ON	2008/03/25 11:31
S2	2	((("5068219") or (("5350644"))).PN.	US-PGPUB; USPAT	OR	OFF	2008/03/25 11:35
S3	0	jp-6059063-\$ did.	JPO	ADJ	ON	2008/03/25 11:35
S4	0	jp-1123067-\$ did.	JPO	ADJ	ON	2008/03/25 11:36
S5	0	jp-1192176-\$ did.	JPO	ADJ	ON	2008/03/25 11:36
S6	1	jp-58168006-\$ did.	JPO	ADJ	ON	2008/03/25 11:37
S7	1	jp-62281187-\$ did.	JPO	ADJ	ON	2008/03/25 11:38
S8	0	jp-63043531-\$ did.	JPO	ADJ	ON	2008/03/25 11:39
S9	0	jp-6320043531-\$ did.	JPO	ADJ	ON	2008/03/25 11:39
S10	0	jp-20043531-\$ did.	JPO	ADJ	ON	2008/03/25 11:39

S11	0	jp-63043531-\$ did.	JPO	ADJ	ON	2008/03/25 11:39
S12	0	jp-05504023-\$ did.	JPO	ADJ	ON	2008/03/25 11:40
S13	0	jp-5504023-\$ did.	JPO	ADJ	ON	2008/03/25 11:40
S14	0	jp-1220308-\$ did.	JPO	ADJ	ON	2008/03/25 11:41
S15	1	jp-01220308-\$ did.	JPO	ADJ	ON	2008/03/25 11:41
S16	1	jp-07150356-\$ did.	JPO	ADJ	ON	2008/03/25 11:41
S17	1	jp-10092477-\$ did.	JPO	ADJ	ON	2008/03/25 11:41
S18	0	jp-1092477-\$ did.	JPO	ADJ	ON	2008/03/25 11:42
S19	1	jp-11092176-\$ did.	JPO	ADJ	ON	2008/03/25 11:42
S20	96087	porous with (coat\$3 or film or layer)	US-PGPUB; USPAT	ADJ	ON	2008/03/25 12:40
S21	100181	(composite with target) or (two with target)	US-PGPUB; USPAT	ADJ	ON	2008/03/25 12:40
S22	997633	oxide or nitride or oxynitride	US-PGPUB; USPAT	ADJ	ON	2008/03/25 12:40
S23	1135	S20 and S21 and S22	US-PGPUB; USPAT	ADJ	ON	2008/03/25 12:41
S24	0	S20 and S21 and S22	JPO	ADJ	ON	2008/03/25 12:41
S25	175017	aqueous with acid with solution	US-PGPUB; USPAT	ADJ	ON	2008/03/25 12:43
S26	143	S23 and S25	US-PGPUB; USPAT	ADJ	ON	2008/03/25 12:43
S27	2122206	heat\$3 or bak\$3 or anneal \$3	US-PGPUB; USPAT	ADJ	ON	2008/03/25 12:44
S28	130	S26 and S27	US-PGPUB; USPAT	ADJ	ON	2008/03/25 12:44
S29	47	S26 and S27	USPAT	ADJ	ON	2008/03/25 12:44
S30	1	jp-60059063-\$ did.	JPO	ADJ	ON	2008/03/25 12:50
S31	0	jp-0123067-\$ did.	JPO	ADJ	ON	2008/03/25 12:50
S32	1	jp-01123067-\$ did.	JPO	ADJ	ON	2008/03/25 12:51
S33	1	jp-01220308-\$ did.	JPO	ADJ	ON	2008/03/25 12:52
S34	83	S26 and S27	US-PGPUB	ADJ	ON	2008/03/25 14:22

S35	15257	S20 and (titanium or Ti)	US-PGPUB	ADJ	ON	2008/03/25 14:27
S36	154	(porous near1 thin near1 film) and (titanium or Ti)	US-PGPUB	ADJ	ON	2008/03/25 14:28
S37	154	(porous near1 thin near1 film) and (titanium or Ti)	USPAT	ADJ	ON	2008/03/25 14:28
S38	1	"5256443".pn. and bak\$3	US-PGPUB; USPAT	ADJ	ON	2008/03/25 15:52
S39	12	("4554176"   "4874462").PN. OR ("5256443").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/03/25 15:55
S40	5958	(sputter or sputtering) and (target with (titanium or ti))	US-PGPUB; USPAT	ADJ	ON	2008/12/08 15:58
S41	624	S40 and porous	US-PGPUB; USPAT	ADJ	ON	2008/12/08 15:58
S42	383	S41 and reactive	US-PGPUB; USPAT	ADJ	ON	2008/12/08 15:58
S43	221	S42 and (reactive with (sputter or sputtering))	US-PGPUB; USPAT	ADJ	ON	2008/12/08 15:59
S44	31	S43 and (rotat\$5 with substrate)	US-PGPUB; USPAT	ADJ	ON	2008/12/08 16:00
S45	8	((("5154810") or ("6217720") or ("6613393") or ("4782477") or ("4911809") or ("6964731") or ("6338777") or ("5529631")).PN.	US-PGPUB; USPAT	OR	OFF	2008/12/08 16:06
S46	18	("20020034882"   "20030197457"   "4072864"   "5866204"   "6206065"   "6248422"   "6359363"   "6426590"   "6498426").PN. OR ("6770353").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/12/08 16:27
S47	4055	(sputter or sputtering) and (composite near1 film)	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/12/08 16:37
S48	210	(sputter or sputtering) and (composite near1 film) and "204".clas.	US-PGPUB; USPAT	ADJ	ON	2008/12/08 16:37

S49	24	("20030096155"   "20030138658"   "20030152797"   "20040076868"   "20060051599"   "20060051661"   "4299865"   "4590095"   "4601795"   "4654228"   "4770701"   "4781734"   "5091222"   "5120707"   "5162295"   "5858523"   "5874175"   "6027796"   "6253441"   "6284314"   "6503560"   "6528123"   "6592980"   "7256146"). PN. OR ("7445814"). URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/12/08 16:41
S50	34	("4021277"   "4147573"   "4252626"   "4389299"   "4444635"   "4591417"). PN. OR ("4692230"). URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/12/08 17:19
S51	25	("3622410"   "3819990"   "4002542"   "4331526"   "4333808"   "4510190"   "4544443"   "4680742"   "4683044"   "4851096"). PN. OR ("4954232"). URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/12/08 17:38
S52	0	jp-6013068-\$ did.	JPO	ADJ	ON	2008/12/08 17:58
S53	1	jp-60013068-\$ did.	JPO	ADJ	ON	2008/12/08 17:58
S54	50352	(composite or composition) near2 (layer or film or coat or coating)	JPO	OR	ON	2008/12/09 00:11
S55	974	S54 and porous	JPO	OR	ON	2008/12/09 00:11
S56	622	S54 with porous	JPO	OR	ON	2008/12/09 00:11
S57	5	S56 and (sputter or sputtering or spatter or spattering)	JPO	OR	ON	2008/12/09 00:15
S58	237329	(composite or composition) near2 (layer or film or coat or coating)	US-PGPUB; USPAT	OR	ON	2008/12/09 00:21
S59	4437	S58 with porous	US-PGPUB; USPAT	OR	ON	2008/12/09 00:21
S60	565	S59 and (sputter or sputtering)	US-PGPUB; USPAT	OR	ON	2008/12/09 00:21
S61	21	S59 same (sputter or sputtering)	US-PGPUB; USPAT	OR	ON	2008/12/09 00:21

S62	55422	(porous or pore or porosity) and (alkali or acid or aqueous or solution)	JPO	ADJ	ON	2008/12/09 11:54
S63	123341	(composite or composition) with (film or coat or coating or layer)	JPO	ADJ	ON	2008/12/09 11:55
S64	2451	S62 and S63	JPO	ADJ	ON	2008/12/09 11:55
S65	443	S62 and S63 and metal	JPO	ADJ	ON	2008/12/09 11:55
S66	406	S64 and (etch\$3 or remov\$3 or dissolv\$3)	JPO	ADJ	ON	2008/12/09 11:56
S67	1	S66 and (sputter or sputtering or spatter or spattering)	JPO	ADJ	ON	2008/12/09 11:57
S68	31	S64 and ((etch\$3 or remov\$3 or dissolv\$3) with (metal or metallic or ceramic))	JPO	ADJ	ON	2008/12/09 11:58
S69	9631	(porous or pore or porosity) and (alkali or acid)	JPO	ADJ	ON	2008/12/09 13:24
S70	484	S69 and S63	JPO	ADJ	ON	2008/12/09 13:25
S71	8	S70 and ((etch\$3 or remov\$3 or dissolv\$3) with (metal or metallic or ceramic))	JPO	ADJ	ON	2008/12/09 13:25
S72	23285	(porous or pore or porosity) and (alkali or acid or aqueous or solution) and (film or coat or coating or layer)	JPO	ADJ	ON	2008/12/09 13:28
S73	3766	(porous or pore or porosity) and (alkali or acid) and (film or coat or coating or layer)	JPO	ADJ	ON	2008/12/09 13:28
S74	32609	(porous or pore or porosity) with (film or coat or coating or layer)	JPO	ADJ	ON	2008/12/09 13:48
S75	2598	S74 same (alkali or acid)	JPO	ADJ	ON	2008/12/09 13:48
S76	630	S75 and (etch\$3 or remov\$3 or dissolv\$3)	JPO	ADJ	ON	2008/12/09 13:51
S77	201	S76 and (metal or metallic)	JPO	ADJ	ON	2008/12/09 13:58
S78	79	S77 and (composite or composition or alloy or compound)	JPO	ADJ	ON	2008/12/09 13:58

S79	1	("20020144903").PN.	US-PGPUB; USPAT	OR	OFF	2009/07/22 13:48
S80	1	10/058311.app.	US-PGPUB; USPAT	ADJ	ON	2009/07/22 13:49
S81	264500	(composite or mixed) with (film or coating or coat or layer)	US-PGPUB; USPAT	ADJ	ON	2009/07/22 15:38
S82	10308	(sputter or sputtering) with (cathode or target)	US-PGPUB; USPAT	ADJ	ON	2009/07/22 15:38
S83	2735	S81 and S82	US-PGPUB; USPAT	ADJ	ON	2009/07/22 15:38
S84	3739	S82 same (metal or metallic)	US-PGPUB; USPAT	ADJ	ON	2009/07/22 15:38
S85	935	S81 and S84	US-PGPUB; USPAT	ADJ	ON	2009/07/22 15:39
S86	3280	204/192.15.ccl. or 204/298.12.ccl. or 204/298.13.ccl.	US-PGPUB; USPAT	ADJ	ON	2010/01/11 18:02
S87	17	S86 and ((porous or porosity or pore) with (compound or composite or mixed) with (film or coat or coating or layer))	US-PGPUB; USPAT	ADJ	ON	2010/01/11 18:03
S88	164	mardilovich.in.	US-PGPUB; USPAT	ADJ	ON	2010/01/11 18:10
S89	84	mardilovich.in. and porous	US-PGPUB; USPAT	ADJ	ON	2010/01/11 18:10
S90	63	mardilovich.in. and porous and film	US-PGPUB; USPAT	ADJ	ON	2010/01/11 18:10
S91	4	mardilovich.in. and porous.ti.	US-PGPUB; USPAT	ADJ	ON	2010/01/11 18:11
S92	16	herman.in. and porous.ti.	US-PGPUB; USPAT	ADJ	ON	2010/01/11 18:12
S93	24	("20030096155"   "20030138658"   "20030152797"   "20040076868"   "20060051599"   "20060051661"   "4299865"   "4590095"   "4601795"   "4654228"   "4770701"   "4781734"   "5091222"   "5120707"   "5162295"   "5858523"   "5874175"   "6027796"   "6253441"   "6284314"   "6503560"   "6528123"   "6592980"   "7256146"). PN. OR ("7445814"). URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/11 18:13

S94	8	o'neil.in. and porous.ti.	US-PGPUB; USPAT	ADJ	ON	2010/01/11 18:23
S95	4	(Hewlett-Packard).as. and (co-depositing or co-deposition)	US-PGPUB; USPAT	ADJ	ON	2010/01/12 10:06
S96	2	jp-2000100316-\$ did. or wo-9742645-\$ did.	DERWENT	ADJ	ON	2010/01/12 10:36
S97	21	("20020034882"   "20030197457"   "4072864"   "5866204"   "6206065"   "6248422"   "6359383"   "6426590"   "6498426").PN. OR ("6770353").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/12 10:37
S98	100376	titanium or ti or "TiN. sub."\$2 or (titanium near1 nitride)	JPO	ADJ	ON	2010/01/12 13:02
S99	258080	(aqueous or alkali or acid or acidic) with (solution or liquid or liquor or bath or treat or treatment)	JPO	ADJ	ON	2010/01/12 13:03
S100	7113	S98 and S99	JPO	ADJ	ON	2010/01/12 13:03
S101	1146	S100 and (etch\$3 or remov\$4)	JPO	ADJ	ON	2010/01/12 13:04
S102	367	S101 and (bak\$3 or anneal\$3 or heat\$3 or thermal\$2)	JPO	ADJ	ON	2010/01/12 13:04
S103	854	"I1" and (etch\$3 or remov \$4)	JPO	ADJ	ON	2010/01/12 13:12
S104	20	"I12" and (etch\$3 or remov\$4)	JPO	ADJ	ON	2010/01/12 13:12
S105	37417	S99 and (etch\$3 or remov \$4)	JPO	ADJ	ON	2010/01/12 13:12
S106	1146	S98 and S105	JPO	ADJ	ON	2010/01/12 13:13
S107	367	S106 and (bak\$3 or anneal\$3 or heat\$3 or thermal\$2)	JPO	ADJ	ON	2010/01/12 13:13
S108	23568	S99 with (etch\$3 or remov \$4)	JPO	ADJ	ON	2010/01/12 13:14
S109	752	S98 and S108	JPO	ADJ	ON	2010/01/12 13:14
S110	249	S109 and (bak\$3 or anneal\$3 or heat\$3 or thermal\$2)	JPO	ADJ	ON	2010/01/12 13:14
S111	417	S98 with S108	JPO	ADJ	ON	2010/01/12 13:14

S112	137	S111 same (bak\$3 or anneal\$3 or heat\$3 or thermal\$2)	JPO	ADJ	ON	2010/01/12 13:14
S113	1	jp-01123067-\$ did.	JPO	ADJ	ON	2010/01/12 13:17
S114	149	S111 and (bak\$3 or anneal\$3 or heat\$3 or thermal\$2)	JPO	ADJ	ON	2010/01/12 15:20
S115	42	S114 and (copper or cu or al or aluminum or zr or zirconium)	JPO	ADJ	ON	2010/01/12 15:22
S116	17885	S99 with (copper or cu or al or aluminum or zr or zirconium)	JPO	ADJ	ON	2010/01/12 15:44
S117	2636	S116 with (etch\$3 or remov\$4)	JPO	ADJ	ON	2010/01/12 15:45
S118	500	S117 same (bak\$3 or anneal\$3 or heat\$3 or thermal\$2)	JPO	ADJ	ON	2010/01/12 15:45
S119	34	S118 and (titanium or ti or "TiN.sub."\$2 or (titanium near1 nitride))	JPO	ADJ	ON	2010/01/12 15:45
S120	8	S119 not S115	JPO	ADJ	ON	2010/01/12 15:46
S121	68448	(al or aluminum or cu or copper or co or cobalt or zirconium or zr) same (etch\$3 or remov\$4) same ((aqueous or alkali or acid or acidic) with (solution or liquid or liquor or bath or treat or treatment))	US-PGPUB; USPAT	ADJ	ON	2010/01/12 16:19
S122	58576	S121 and (bak\$3 or anneal\$3 or heat\$3 or thermal\$2)	US-PGPUB; USPAT	ADJ	ON	2010/01/12 16:20
S123	22247	S122 and (ti or titanium or "tin.sub."\$2)	US-PGPUB; USPAT	ADJ	ON	2010/01/12 16:21
S124	17357	(al or aluminum or cu or copper or co or cobalt or zirconium or zr) with (etch\$3 or remov\$4) with (aqueous or alkali or acid or acidic) with (solution or liquid or liquor or bath or treat or treatment)	US-PGPUB; USPAT	ADJ	ON	2010/01/12 16:21
S125	14482	S124 and (bak\$3 or anneal\$3 or heat\$3 or thermal\$2)	US-PGPUB; USPAT	ADJ	ON	2010/01/12 16:22
S126	6751	S125 and (ti or titanium or "tin.sub."\$2)	US-PGPUB; USPAT	ADJ	ON	2010/01/12 16:22

S127	2617	S126 and (sputter or sputtering or pvd or (vapor near1 deposition))	US-PGPUB; USPAT	ADJ	ON	2010/01/12 16:23
S128	87	S127 and "204".clas.	US-PGPUB; USPAT	ADJ	ON	2010/01/12 17:09

**EAST Search History (Interference)**

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